

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the instant application:

Listing of Claims:

1. (Cancelled)

2. (Cancelled) .

3. (Cancelled)

4. (Cancelled)

5. (Cancelled)

6. (Cancelled)

7. (Cancelled)

8. (Cancelled)

9. (Cancelled)

10. (Cancelled)

11. (Cancelled)

12. (Cancelled)

13. (Cancelled)

14. (Cancelled).

15. (Previously Presented) A method of calibrating an imaging display system comprising the steps of:

forwarding a display test pattern from a display adapter to a display of the display system, the display test pattern including a measurement field comprising approximately 10% of a total number of pixels displayed by the display, wherein the measurement field can be placed at different regions of a display screen of the display;

causing the measurement field to be stepped through a sequence of values from zero and increasing at each step up to a maximum display driving level (DDL);

receiving luminance and color values from a plurality of photosensors associated with the display screen, said photosensors detecting distinct luminance and color levels at the different regions of said screen;

from said detected luminance and color levels, determining a plurality of luminance and color correction factors by comparing the detected luminance and color values to reference luminance and color data; and

applying the determined luminance and color correction factors to the different regions of said screen so as to adjust luminance and color of said screen at the different regions, each region spanned by a corresponding measurement field.

16. (Previously Presented) The method of calibrating an imaging display system according to claim 15, wherein said at plurality of sensors comprises an array of photosensors.

17. (Previously Presented) The method of calibrating an imaging display system according to claim 16, wherein said array of photosensors comprises photosensors horizontally and vertically dispersed over said screen.

18. (Previously Presented) The method of calibrating an imaging display system according to claim 17, wherein said portion is a region of said screen comprising at least 90% of a surface area of said screen.

19. (Cancelled)

20. (Original) The method of calibrating an imaging display system according to claim 15, further comprising the step of automatically updating said luminance correction factor at predetermined intervals.

21. (Previously Presented) The method of calibrating an imaging display system according to claim 15, further comprising the step of updating said luminance correction factor at said different regions responsive to a user input.

22. (Original) The method of calibrating an imaging display system according to claim 15, further comprising the step of generating a calibration record upon an update of said luminance correction factor.

23. (Cancelled).

24. (Cancelled).

25. (Cancelled)

26. (Cancelled)

27. (Cancelled)

28. (Cancelled)

29. (Cancelled)

30. (Cancelled)

31. (Cancelled)

32. (Cancelled)